

Abstract

A method of allocating ATM connections is described. The first step of the method includes determining a first bandwidth for the ATM connection based on a number of calls for the ATM connection and an estimated bandwidth per call. The estimated bandwidth per call corresponds to a maximum bandwidth required for a call. Another step includes determining an overbooking factor for the link over which the ATM connection will be allocated. Another step includes adjusting the first bandwidth based on the overbooking factor to determine a second bandwidth. Another step includes determining if the link has at least the second bandwidth available. Another step includes allocating the ATM connection for the second bandwidth if the link has at least the second bandwidth available. Another step includes denying the ATM connection if the link does not have at least the second bandwidth available.